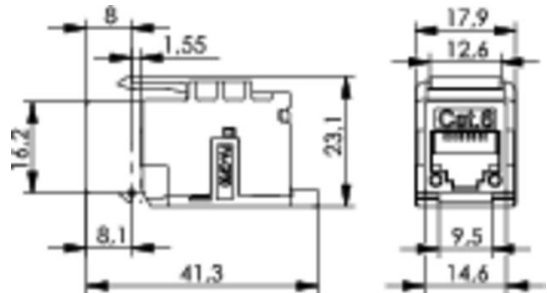


order number: J00029K0078

UMJ Module K Cat.6 T568 B



Technical Attributes	
Short name	UMJ Module K Cat.6 T568B
Remarks	tool-free connectivity, suitable for RJ45/11/12 plugs
Mount. dim.	Z121

Performance Characteristics

- unshielded
- universally, world-wide available installation dimension for mounting cut-outs: 19.3 x 14.7 mm
- 10 Gigabit Ethernet compliant
- fully-automated production of Cat.6 RJ45 jack/core to guarantee a uniformly high quality standard (transmission characteristic values)
- optical monitored inspection of the RJ45 contact heights
- Next reserves: 12 dB typ. Permanent Link Class E
- Made in Germany

Mechanical Characteristics	
Insertion force	$\leq 20 \text{ N}$
Durability (mating cycles)	≥ 750
Mating Face	DIN IEC 60603-7-4
Material: housing	PA6 GF30 RAL 9010 pure white
Material: wire pair presorting	PA6 GF30 RAL 9010 pure white
Material: snap-fit	PA6 GF30 RAL 9010 pure white
Material: insulating plate	PBT GF15 nature
Material: insulation body	PBT nature
Material: PCB	FR4
Material: PCB finish	Cu 35/35 chem. tinned
Material: contact spring	spring steel
Material: contact finish	min. $0,8 \mu\text{m}$ Au on $1,2 \mu\text{m}$ Ni
Material: contact IDC termination	CuNi2Si
Material: IDC termination finish	min. $3 - 6 \mu\text{m}$ Sn
Material: cable ties	PA6.6 UL94 V2
IDC Termination: Cu conductor diameter	solid $0,40 - 0,65 \text{ AWG}$ 26/1 - AWG 22/1; stranded $0,46 - 0,61 \text{ AWG}$ 27/7 - AWG 24/7
IDC Termination: Cu insulation diameter	$0,9 - 1,6 \text{ mm}$

Climatic Characteristics	
Tested / classified in accordance with DIN IEC 60068-1	25/070/21

Electrical Characteristics	
Contact resistance: RJ45 jack	$\leq 20 \text{ m}\Omega$
Insulation resistance	$\geq 500 \text{ M}\Omega$
Voltage proof: contact-contact	$\geq 1000 \text{ V=}$
Working current at 50° C	1 A

Transmission Characteristics

Cat.6	TIA/EIA-568-B.2-1; ISO/IEC 11801 2nd edition; EN 60603-7-4
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